

REMARKS

I. Replacement of Figure 4

The present Replacement Drawing is submitted to correct a typographical error that occurs in Figure 4 of the application as filed. In the specification as filed, the phrase “a substitution of Ile for Leu at amino acids 8, 32, 175 and/or 271” appears on page 29, lines 16-17. Applicants respectfully submit that this phrase is intended to describe individual, single substitutions of Ile for Leu at these positions. More specifically, Figure 1 (and the corresponding sequences in the Sequence Listing, SEQ ID NOs: 16 and 17) depicts to the wild-type sequence (*i.e.*, Leu at positions 8, 32, 175, and 271). Figure 2 depicts the nucleic acid and amino acid sequences (SEQ ID NOs: 18 and 19, respectively) of a polypeptide that contains an isoleucine residue at amino acid position 8, yet retains leucine residues at positions 32, 175, and 271. Similarly, Figure 3 depicts the nucleic acid and amino acid sequences (SEQ ID NOs: 20 and 21, respectively) of a polypeptide that contains leucine residues at positions 8, 175, and 271 and an isoleucine residue at amino acid position 32; proposed amended Figure 4 depicts the nucleic acid and amino acid sequences (SEQ ID NOs: 22 and 23, respectively) of a polypeptide that contains leucine residues at positions 8, 32, and 271 and an isoleucine residue at amino acid position 175; and Figure 5 depicts the nucleic acid and amino acid sequences (SEQ ID NOs: 24 and 25, respectively) of a polypeptide that contains leucine residues at positions 8, 32, and 175, and an isoleucine residue at amino acid position 271.

Applicants respectfully submit that they have inadvertently submitted Figure 4 without the appropriate amino acid change at position 175. As submitted, Figure 4 shows a leucine residue at position 175 instead of an isoleucine. The Sequence Listing, however, clearly indicates that SEQ ID NOs: 22 and 23, which should correspond to the sequences shown in Figure 4, have an isoleucine at position 175. Applicants respectfully request that the Figure as filed be replaced with the enclosed replacement Figure.

II. Amendments to the Specification

The specification has been amended at page 11 to correct a discordance between the SEQ ID NOs provided in the specification as filed and the Sequence Listing submitted at the time of filing. Applicants respectfully submit that the Sequence Listing correctly lists the disclosed sequences. Furthermore, the concordance between the sequence listing and the disclosed sequences is presented hereinbelow:

SEQ ID No. in Sequence Listing	Description of Sequence
1	MAT II β subunit promoter sequence
2	MAT II β subunit-specific primer
3	MAT II β subunit-specific primer
4	MAT II β subunit-specific primer
5	5' β 2 forward primer
6	MAT II β subunit-specific forward primer
7	MAT II β 5'subunit-specific forward primer
8	Polyadenylation signal sequence
9	MAT II β N-terminal peptide
10	Forward 5' DEG primer
11	Sequence from clone 2
12	Motif #1
13	Motif #2
14	β -subunit peptide
15	Reverse 3'DEG primer
16	MAT II β subunit, DNA sequence (Figure 1)
17	MAT II β subunit, protein sequence (Figure 1)
18	MAT II β subunit, Leu 8 \rightarrow Ile mutation, DNA sequence (Figure 2)
19	MAT II β subunit, Leu 8 \rightarrow Ile mutation, protein sequence (Figure 2)
20	MAT II β subunit, Leu 32 \rightarrow Ile mutation, DNA sequence (Figure 3)
21	MAT II β subunit, Leu 32 \rightarrow Ile mutation, protein sequence (Figure 3)
22	MAT II β subunit, Leu 175 \rightarrow Ile mutation, DNA sequence (Figure 4)

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23	MAT II β subunit, Leu 175 \rightarrow Ile mutation, protein sequence (Figure 4)
24	MAT II β subunit, Leu 271 \rightarrow Ile mutation, DNA sequence (Figure 5)
25	MAT II β subunit, Leu 271 \rightarrow Ile mutation, protein sequence (Figure 5)
26	T-tailed primer
27	Consensus Sequence

The specification has also been amended at page 12 to remove the hyperlink originally present on that page.

No new matter has been added by any of the amendments to the specification and drawings presented herein.

The Commissioner is hereby authorized to charge any deficiencies or credit any overpayments in connection with the filing of this correspondence to Deposit Account No. **50-0426**.

Respectfully submitted,

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